



New Jersey Department of Environmental Protection

NOTICE OF VACANCY

(Filling of this position is contingent upon further approval process)

Posting Number: AQES21-003

() DIVISION/PROGRAM

() DEPARTMENT

() STATEWIDE

(X) NATIONWIDE

TITLE: Research Scientist 2

SALARY: (P28) \$75,243.18- \$107,223.96

OPENING DATE: February 11, 2021

CLOSING DATE: February 26, 2021

EXISTING VACANCIES: One (1)

WORKWEEK: NL (35-Hour) Workweek

PROGRAM/LOCATION:

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Air Quality, Energy and Sustainability Program

Division of Air Quality

Office of the Assistant Director of Mobile Sources and Air Monitoring

401 East State Street, 2nd Floor

Trenton, NJ 08625

SCOPE OF ELIGIBILITY: Open to candidates who meet the requirements below.

DESCRIPTION: Under general supervision of a Research Scientist 1 or other supervisory official in a state department, institution, or agency, conducts research projects or participates in functional programs in a specified professional field; assumes appropriate administrative and scientific duties as delegated; heads complex projects and makes recommendations to the supervisor; does related work.

SPECIFIC TO THE POSITION: This Office leads the State’s efforts to reduce greenhouse gas and black carbon emissions from the transportation sector, as required by the Energy Master Plan, the Global Warming Response Act and the 80x50 Report. This includes developing and implementing aggressive electrification plans for passenger cars as well as heavy weight trucks and buses, in coordination with Board of Public Utilities, Economic Development Authority, Treasury, and others. Disbursing over \$100 million in grant funds for transportation electrification and developing comprehensive regulations to further address emissions from trucks and port equipment. Examples of tasks include: Research fleet forecasts, market adoption trends, barriers to growth, and the evolution of technology to coordinate, develop and implement a glide path to achieve the light duty, medium duty and heavy duty zero carbon goals outlined in the EV Law and the 80x50 report. Integrate renewable energy pathways such as solar and vehicle to grid where feasible. In conjunction with California, NESCAUM and other states in the northeast, develop action plan to implement the (<https://www.nescaum.org/documents/multistate-truck-zev-governors-mou-20200714.pdf/>.) Coordinate with EDA, BPU and others to develop and implement financial (e.g., RGGI) and non-financial incentive programs that catalyze clean, equitable transportation by strategically deploying electric medium and heavy-duty vehicles, particularly in overburdened communities.

PREFERRED SKILL SETS: At least 4 years of experience in a relevant field or fields such as climate and clean transportation policy, electric vehicle supply equipment sector, electric vehicle sector, environmental advocacy, environmental justice, electric vehicle research/analysis, clean technology market development, etc. Detailed technical knowledge of electric vehicles and electric vehicle charging standards, hardware and software. Knowledge of basic electronics, power systems, and batteries. Experience in leading projects and programs, including strategy, planning, project management. Ability to conduct in depth research of scientific literature, market studies, and business trends and develop summaries and recommendations. Excellent writing, editing, and verbal communications skills. A writing sample will be required as part of the interview process. Ability to analyze data to develop projections, models, and analyze various scenarios. This includes strong knowledge of databases and spreadsheets such as Microsoft Access, Microsoft Excel, etc. Ability to display results in various charts, graphs and figures. GIS skills. Experience with Federal mobile source emission models, such as MOVES, GREET, and AFLEET.

REQUIREMENTS:

EDUCATION: Graduation from an accredited college or university with a Master's degree in a discipline appropriate to the position. **NOTE:** All U.S. degrees and transcripts must be from an accredited college or university. All foreign degrees and transcripts must be evaluated for accreditation by a recognized evaluation service by the closing date of this posting. Failure to provide documentation may result in ineligibility.

EXPERIENCE: Three (3) years of full-time experience in a field appropriate to the position. **NOTE:** A Doctorate in a discipline appropriate to the position may be substituted for two (2) years of experience indicated above.

LICENSE: Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

RESIDENCY: All persons newly hired on or after September 1, 2011 have one year from the date of employment to establish, and then maintain principal residence in the State of New Jersey subject to the provisions of N.J.S.A. 52:14-7 (L.2011, Chapter 70), also known as the “New Jersey First Act”.

AUTHORIZATION TO WORK: Selected candidates must be authorized to work in the United States per the Department of Homeland Security, United States Citizenship and Immigration Services Regulations. **NOTE:** The State of New Jersey does not provide sponsorship for citizenship to the United States.

NOTE: Interviews will be granted based on the cover letter, resume, and credentials submitted in response to this notice. Applicants may be required to provide a copy of their transcripts at time of interview. Please include the posting number in the subject of the e-mail when submitting your credentials.

If you have established Veteran’s Preference with the Department of Military and Veterans Affairs, please submit proof of this along with your resume.

SUBMIT LETTER OF INTEREST, RESUME AND E-MAIL ADDRESS BY 4:00 PM ON THE CLOSING DATE TO:

Nicole Pellegrini
Office of the Assistant Commissioner
Air Quality, Energy and Sustainability Program
PO Box 420; Mail Code 401-02G
Trenton, NJ 08625-0420
E-mail Address: AQES.resumes@dep.nj.gov
Fax Number (609) 777-1330

POSTING AUTHORIZED BY: Phiroza Stoneback, Manager
Division of Human Resources

**Accommodations will be made for qualified applicants or employees with disabilities
New Jersey Department of Environmental Protection is an Equal Opportunity Employer**